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REMOTE SENSING OF OCEAN CURRENT BOUNDARY LAYER
EREP PROJECT 108

April 1974
Contract Number T-4713-B

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MONTHLY REPORT

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Subject: Monthly Progress Report, T-4713-B

Refer to: RH-1000-42M 48.03

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This is the tenth report on project EREP 108; it covers the month of April 1974.

Data processing of the surface variables collected on 8 January is progressing: surface bucket temperatures, surface salinities and depth of the 22°C isotherm along the suborbital track are graphed on a smooth-plot of the vessel track. Chlorophyll-a calibration is complete; the continuous profile is being fit by least-squares to the calibration data and smooth plotted. The infrared bandpass (10.5-12.5µm) data calibration is in question and the system will require recalibration. Profiles of atmospheric variables (temperature and relative humidity as a function of pressure) are complete and will be forwarded to D. Anding as soon as the surface radiometric problem is solved.

The S-192 quick-look imagery has been received; no indication of the current has been detected in the initial SKYLAB multispectral scanner data. The aircraft data did show the cyclonic boundary in the same position as the ship. S-190 A or B data have not arrived for study as of the date of this report. No S191 or S193 data have been received as yet.

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